

## Abstract

## Receive frequency band filtering

The invention relates to the filtering of a subfrequency band out of a receive frequency band, in which a carrier frequency for prefiltering the receive frequency band and an intermediate frequency for demodulating the frequency band filtered out during the prefiltering and for generating a frequency baseband are inserted into the signal propagation path, in which the desired subfrequency band is filtered out of the frequency baseband by a post-filtering and in which the carrier frequency, the intermediate frequency and the post-filtering are matched to one another.

## Figure 1